

SRP Update Program

SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
1.8	Interfaces for Standard Designs	11/15/2006	3/31/2007	This is a cross-cutting section primarily related to Design Certification (DC) reviews and COL referencing DCs; therefore there will be minimal discussion in Section C.I.1 of DG-1145, but there will be guidance on interfaces within Section in C.III.1 of the guide. This is a process section and contains no specific acceptance criteria
2.0	Site Parameter Envelope	11/15/2006	3/31/2007	This section is related to a COL referencing a DC or a DC and an Early Site Permit (ESP); therefore there will not be a corresponding section C.I.1 of DG-1145, but there will be a section in C.III.1 and C.III.2. This section is a process section and contains no specific acceptance criteria.
2.1.1	Site Location and Description	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The update will improve clarity, incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. The update does not contain any new staff positions
2.1.2	Exclusion Area Authority and Control	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The update will improve clarity, incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. The update does not contain any new staff positions. See NRC letter dated August 27, 2003 , (ML032120350) for additional information.
2.1.3	Population Distribution	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The update will improve clarity, incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. The update does not contain any new staff positions
2.2.1-2.2.2	Identification of Potential Hazards in Site Vicinity	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The update will improve clarity, incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. The update does not contain any new staff positions
2.2.3	Evaluation of Potential Accidents	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The update will improve clarity, incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. The update does not contain any new staff positions
2.3.1	Regional Climatology	10/31/2005	3/31/2007	Draft Revision issued for comment and is available on the web or in ADAMS - ML053570372. Comment period ended March 27, 2006. Revision coordinated with Standard Review Plan (SRP) Section 3.5.1.4 and Regulatory Guide (RG) 1.76 revisions.
2.3.2	Local Meteorology	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions) Update references and regulatory citations.
2.3.3	Onsite Meteorological Measurements Programs	10/31/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. Update references and regulatory citation. Revision coordinated with ongoing (concurrent) revision to RG 1.23.
2.3.4	Short Term Dispersion Estimates for Accidental Atmospheric Releases	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The update will improve clarity, incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. Specific changes include adding text to address control room atmospheric dispersion factors, X/Q values (new to this revision, but refer to RG 1.194 (June 2003), which has been in use several years). Enhance discussion of staff check on methodology, inputs and assumptions used by applicant/licensee. The update does not contain any new staff positions.
2.3.5	Long Term Diffusion Estimates	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The update will improve clarity, incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. Specific change enhances discussion of staff check on methodology, inputs and assumptions used by applicant/licensee. The update does not contain any new staff positions.
2.4.1	Hydrologic Description	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.2	Floods	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions) with exception that reference to RG 1.59 will be supplemented with need to consider best engineering practice.
2.4.3	Probable Maximum Flood (PMF) on Streams and Rivers	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)

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2.4.4	Potential Dam Failures	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.5	Probable Maximum Surge and Seiche Flooding	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.6	Probable Maximum Tsunami Flooding	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. Staff is evaluating recent tsunami data and will incorporate results of study within the SRP
2.4.7	Ice Effects	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.8	Cooling Water Canals and Reservoirs	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.9	Channel Diversions	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.10	Flooding Protection Requirements	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.11	Cooling Water Supply	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.12	Groundwater	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.13	Accidental Releases of Liquid Effluents in Ground and Surface Waters	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.4.14	Technical Specifications and Emergency Operation requirements	11/15/2006	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.5.1	Basic Geologic and Seismic Information	1/31/2007	3/31/2007	Staff will revise Rev. 3, 1997. The update will incorporate lessons learned from experience with ESP, and will be administratively updated per LIC-200. No new staff positions will be added
2.5.2	Vibratory Ground Motion	1/31/2007	3/31/2007	Staff will revise Rev. 3, 1997, to include guidance on an performance-based approach to seismic hazards analysis; This will be based on lessons learned from experience with ESP (Clinton). Will follow revision to RG 1.165
2.5.3	Surface Faulting	1/31/2007	3/31/2007	Staff will revise Rev. 3, 1997. The update will incorporate lessons learned from experience with ESP, and will be administratively updated per LIC-200. No new staff positions will be added
2.5.4	Stability of Subsurface Materials and Foundations	1/31/2007	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)
2.5.5	Stability of Slopes	1/31/2007	3/31/2007	Staff will revise the 1996 draft. The updates will incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. No major technical changes.(i.e., stay with existing positions)

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3.2.1	Seismic Classification	11/15/2006	3/31/2007	Staff will revise the 1996 draft; the changes include some information previously not included in the SRP, but are not new staff positions. Specific changes are (1) add reference to 10 CFR Part 50, Appendix S, and state that surface deformation must be considered and that a list of SSCs necessary for continued operation during and following an operating basis earthquake (OBE) should be provided. (2) Add reference to Appendix R as it contains requirements to specifically consider seismic loading for meeting certain fire protection requirements. Update coordinated with revision to RG 1.29.
3.2.2	System Quality Group Classification	11/15/2006	3/31/2007	Staff will revise the 1996 draft; the changes include some information previously not included in the SRP, but are not new staff positions. Specific changes are (1) clarify that the provided lists of PWR and BWR fluid systems represent typical system names based on historical reviews of prior applications, are for general information purposes only, and may not be the same for passive LWR designs or non-LWR designs. (2) An SRM dated 7-21-93 for SECY 93-087 will be added as a reference. (3) The Figure A-1 illustration will be revised to more correctly show the main steam drain lines. Update coordinated with revision to RG 1.26.
3.3.1	Wind Loadings	11/15/2006	3/31/2007	No new staff positions, admin update per LIC-200
3.3.2	Tornado Loadings	3/1/2007	3/31/2007	No new staff positions, admin update per LIC-200
3.4.1	Flood Protection for Onsite Equipment Failure	3/1/2007	3/31/2007	1996 draft technically acceptable - admin update except update will: • Clarify the review areas for internal flooding to include the following: a. pipe breaks from non-seismic moderate energy lines per GDC 2, and b. pipe breaks from high energy lines determined by SRP Sections 3.6.1 and 3.6.2 per GDC 4; • Clarify the review areas to identify flow paths between interconnected rooms that might cause flooding of the rooms housing safety-related SSCs from the fluid in nonsafety-related rooms.
3.4.2	Analysis Procedures	3/1/2007	3/31/2007	No new staff positions, admin update per LIC-200
3.5.1.1	Internally Generated Missiles (Outside Containment)	3/1/2007	3/31/2007	1996 draft technically acceptable - admin update
3.5.1.2	Internally Generated Missiles (Inside Containment)	3/1/2007	3/31/2007	1996 draft technically acceptable - admin. Update
3.5.1.3	Turbine Missiles	2/1/2007	3/31/2007	Update will include staff position in NUREG-0887, Supplement 3, Safety Evaluation for the Perry Nuclear Plant, regarding probability calculations of turbine missile generation.
3.5.1.4	Missiles Generated by Natural Phenomena	10/31/2005	3/31/2007	Draft Revision issued for comment and is available on the web or in ADAMS - ML053570376. Comment period ended March 27, 2006. Currently resolving public comments. Revision coordinated with SRP Section 2.3.1 and RG 1.76 revisions.
3.5.1.5	Site Proximity Missiles (Except Aircraft)	10/31/2006	3/31/2007	Staff will revise the 1996 draft. The update will improve clarity, incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. The update does not contain any new staff positions
3.5.1.6	Aircraft Hazards	10/31/2006	3/31/2007	Staff will revise the 1996 draft. The update will improve clarity, incorporate RS-002 and lessons learned from experience with ESP, and reference 10 CFR Part 52. The update does not contain any new staff positions
3.5.2	Structures, Systems, and Components To Be Protected From Externally Generated Missiles	1/15/2007	3/31/2007	1996 draft technically acceptable - administrative update
3.5.3	Barrier Design Procedures	1/31/2007	3/31/2007	No new staff positions, admin update per LIC-200; except update may need conforming changes resulting from revision to RG 1.76 and SRP Section 3.5.1.4

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3.6.1	Plant Design for Protection Against Postulated Piping Failures in Fluid Systems Outside Containment	1/15/2007	3/31/2007	1996 draft technically acceptable - admin update except update will: Draft Revision 3 to SRP Section 3.6.1 (1996 version) proposed inappropriate revisions to Appendices B and C of BTP SPLB 3-1. These are historical documents included for reference, and should not be revised. • Draft Revision 3 to SRP 3.6.1 (1996 version) proposed inappropriate deletion of most of the implementation subsection. This information is important in identifying the appropriate review criteria for current operating reactors, and should not be deleted. Clarify that moderate energy piping that is not seismically supported should be evaluated for full circumferential ruptures per GDC 2.
3.6.2	Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	11/15/2006	3/31/2007	1996 draft technically acceptable - admin update performed in accordance with LIC-200 with one exception regarding currently acceptable procedures for assessing the forces induced by jets emanating from postulated piping breaks on neighboring systems, structures, and components, along with acceptable means of modeling jet expansion (which determine the spatial zones of influence of the loads within expanding jets). Several inaccuracies that may lead to nonconservative assessments of the strength, zone of influence, and space and time-varying nature of the loading effects of supersonic expanding jets on neighboring structures were raised by the ACRS [Wallis - ADAMS ML050830344, Ransom - ADAMS ML050830341] and ACRS Safety Evaluation letters to the Chairman of the NRC (ACRSR-2097 - ML042920334, and ACRSR-2110 ML043450346). Staff is currently assessing this issue in SRP Section 3.6.2 and ANSI/ANS 58.2. Until the update is complete, staff will review jet related issues on a case by case basis.
3.6.3	Leak-Before-Break Evaluation Procedures	11/15/2006	3/31/2007	The revision will not introduce new staff positions from with the previous SRP and other agency guidance. Administrative update per LIC-200
3.7.1	SEISMIC DESIGN PARAMETERS	1/15/2007	3/31/2007	Work in progress.
3.7.2	SEISMIC SYSTEM ANALYSIS	2/15/2007	3/31/2007	Work in progress.
3.7.3	SEISMIC SUBSYSTEM ANALYSIS	1/15/2007	3/31/2007	Work in progress.
3.7.4	SEISMIC INSTRUMENTATION	2/15/2007	3/31/2007	Work in progress.
3.8.1	Concrete Containment	1/15/2007	3/31/2007	Work in progress.
3.8.2	Steel Containment	1/15/2007	3/31/2007	Work in progress.
3.8.3	Concrete and Steel Internal Structures of Steel or Concrete Containments	1/15/2007	3/31/2007	Work in progress.

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3.8.4	Other Seismic Category I Structures	1/15/2007	3/31/2007	Work in progress.
3.8.5	Foundations	1/15/2007	3/31/2007	Work in progress.
3.9.1	Special Topics for Mechanical Components	11/15/2006	3/31/2007	1996 draft technically acceptable with the addition of reference to Appendix S, "Earthquake Engineering Criteria for Nuclear Power Plants," which clarifies or revises requirements for consideration of "operating basis earthquakes." Administrative update to be performed in accordance with LIC-200.
3.9.2	Dynamic Testing and Analysis of Systems, Components, and Equipment	01/15/2007	3/31/2007	This revision will (1) add reference to Appendix S, "Earthquake Engineering Criteria for Nuclear Power Plants", which clarifies the revised requirements for consideration of "operating basis earthquakes," (2) provide an interface to SRP Section 3.10, regarding the methods and criteria for seismic qualification testing of Seismic Category I mechanical equipment, (3) add some clarification regarding general design criteria contained in the acceptance criteria. Section will be administratively updated per LIC-200.
3.9.3	ASME Code Class 1, 2, and 3 Components, Component Supports, and Core Support Structures	11/15/2006	3/31/2007	1996 draft technically acceptable with the addition of reference to Appendix S, "Earthquake Engineering Criteria for Nuclear Power Plants," which clarifies or revises requirements for consideration of "operating basis earthquakes." Administrative update to be performed in accordance with LIC-200.
3.9.4	Control Rod Drive Systems	6/20/2006	3/31/2007	Technically Complete see: ML060470198
3.9.5	Reactor Pressure Vessel Internals	01/15/2007	3/31/2007	The section will be expanded to emphasize the guidance for review of the design of all reactor internal components (including the steam dryer of a Boiling Water Reactor (BWR)) for potential adverse flow effects (flow-induced vibrations and acoustic resonances). The details of acceptance criteria and review procedures will be specified.
3.9.6	Functional Design, Qualification, and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	11/15/2006	3/31/2007	The title of the SRP section has been modified from "Inservice Testing of Pumps and Valves" to reflect the revision of scope to include functional design and qualification, and inservice testing programs for pumps, valves, and dynamic restraints (snubbers).
3.9.7	Risk-Informed Inservice Testing of Pumps and Valves			This section is not being referenced within DG-1145 and will not be included as part of the March 2007 SRP update.
3.9.8	Risk-Informed Inservice Inspection of Piping			This section is not being referenced within DG-1145 and will not be included as part of the March 2007 SRP update.

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3.10	Seismic and Dynamic Qualification of Mechanical and Electrical Equipment	11/15/2006	3/31/2007	The update will: (1) transfer the review responsibility of some aspects of "Qualification for Equipment Functionality" (for pumps and valves) to SRP Section 3.9.6. (2) Add a provision to the SRP regarding review guidance if Qualification by Experience is proposed in an application, specifically the SRP will state that the details of the experience database including the procedures for ensuring the adequate qualification of equipment should be submitted for staff review and approval at the construction permit (CP) stage or design certification (DC) stage. If the DC is referenced in an application, similar information for equipment not covered in the DC should be submitted for staff review and approval at the operating license (OL) stage or combined operating license (COL) stage.
3.11	Environmental Qualification of Mechanical and Electrical Equipment	11/15/2006	3/31/2007	No new staff position. Updates consist of review requirements for implementation milestones for COL application's EQ program, consistent with SECY-05-0197 for operational programs; and incorporating current regulatory guidance and standards (10 CFR50.34 (f)(2)(ix), 10CFR50.67, RG1.183., IEEE-323, RG 1.180, RG 130, RG 189). Overall administrative update.
3.12	ASME Code Class 1, 2, and 3 Piping Systems and Associated Supports Design [new]	11/15/2006	3/31/2007	New section being developed to address piping systems and associated supports design. Will include (1) existing positions in SRP Sections 3.7.3 and 3.9 that are applicable to piping design including the current updated staff positions; (2) incorporation of Bulletin 88-08 and 88-11 criteria relative to thermal oscillations and thermal stratification; (3) incorporation of the staff position on ISLOCA; (4) additional staff positions taken in previous design certification reviews to supplement the piping design acceptance criteria (DAC); and (5) contains reference to DG-1144 issued in July 2006, which provides a new staff position to address environmental fatigue.
3.13	Threaded Fasteners - ASME Code Class 1, 2, and 3	11/15/2006	3/31/2007	New section that addressed adequacy of applicant' submittal for design, material selection, fabrication, inspection and testing of threaded fasteners (resolution of Generic Safety Issue 29 and GL 91-17); changed title to delineate scope of threaded fasteners to ASMES Code Class 1, 2, and 3
4.2	Fuel System Design	12/15/2006	3/31/2007	Update will include interim acceptance criteria for reactivity-initiated accidents, that will supercede RG 1.77
4.3	Nuclear Design	12/15/2006	3/31/2007	Work in progress.
4.4	Thermal and Hydraulic Design	12/15/2006	3/31/2007	Work in progress.
4.5.1	Control Rod Drive Structural Materials	11/30/2006	3/31/2007	1996 draft technically acceptable; no new staff positions - administrative update, may include editorial changes such as updating references
4.5.2	Reactor Internal and Core Support Materials	11/15/2006	3/31/2007	Work in progress.
4.6	Functional Design of Control Rod Drive System	12/1/2006	3/31/2007	Update will incorporate lessons learned from new reactor designs. These changes will not result in new staff positions.
5.2.1.1	Compliance With the Codes and Standards Rule, 10 CFR 50.55a	2/1/2007	3/31/2007	1996 draft technically acceptable - administrative update

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5.2.1.2	Applicable Code Cases	2/1/2007	3/31/2007	Changes include the consolidation of Regulatory Guide 1.84 and 1.85 into RG 1.84 for the design, fabrication, and materials code case acceptability, ASME Section III Class 1, 2 and 3 components. The review will update the section to reflect the current NRC accepted code cases in NRC Regulatory Guide 1.84, Revision 33, "Design, Fabrication, and Materials Code Case Acceptability, ASME Section III" (August 2005); NRC Regulatory Guide 1.147 (Revision 0-February 1981), including Revision 1 through Revision 14 (August 2005), "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1"; Regulatory Guide 1.192, "Operation and Maintenance Code Case Acceptability, ASME OM Code" (June 2003); and Regulatory Guide 1.193, Revision 1, "ASME Code Cases Not Approved for Use." These Regulatory Guides have been approved for incorporation by reference by the Director of the Office of the Federal Register pursuant to 5 U.S.C. 552(a) and 1 CFR part 51. The update will extend the applicability to Part 52.
5.2.2	Overpressure Protection	1/15/2007	3/31/2007	Work in progress.
5.2.3	Reactor Coolant Pressure Boundary Materials	6/27/2006	3/31/2007	Technically complete see: ML053500353
5.2.4	Reactor Coolant Pressure Boundary Inservice Inspection and Testing	10/30/2006	3/31/2007	Work in progress.
5.2.5	Reactor Coolant Pressure Boundary Leakage Detection	1/15/2007	3/31/2007	1996 draft to be modified to • Incorporate new staff position in Revision 1 to RG 1.45; • Change the required leakage detection instrumentation in the plant Technical Specifications (TS) to exclude gaseous radiation monitor due to its reduced sensitivity as a result of the recent advance in fuel performance. • Add operator actions for leakage limits below TS specification for identification and localization of RCS leakage to avoid long term low level leakage.
5.3.1	Reactor Vessel Materials	6/27/2006	3/31/2007	Technically complete see: ML053500353
5.3.2	Pressure Temperature Limits and Pressurized Thermal Shock	12/5/2006	3/31/2007	Update will reflect ASME Code Cases N-588, N-640, and N-641. These Code Cases have subsequently has been included in the ASME Code. Update the document to reflect 10 CFR 50.61 requirements. The earlier SRP 5.3.2 did not address the PTS issue. Neither of these changes represent new staff positions.
5.3.3	Reactor Vessel Integrity	6/27/2006	3/31/2007	Technically complete see: ML053500353
5.4	Components and Subsystem Design	1/15/2007	3/31/2007	No technical acceptance criteria contained in 5.4. Section contains organization review responsibilities for the the subsections of 5.4
5.4.1.1	Pump Flywheel Integrity (PWR)	11/15/2006	3/31/2007	Update will combined Review Areas 1, "Material Selection," and 2, "Fracture Toughness" to add technical clarity regarding material fracture toughness requirements. Add appropriate references and discussion on RG 1.14; replace outdated requirements for ensuring adequate fracture toughness of the pump flywheel; add a new paragraph regarding fracture mechanics analysis to connect SRP fracture toughness to the driving force discussed in RG 1.14; and make other minor revisions to enhance consistency of technical guidance through out the SRP sections. In addition staff is reducing Inspection frequency from 3 per 10-year ISI interval to 1 per 10-year based on approved WOG topical Report WCAP-14535 and CEOG TR SIR-94-080.

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5.4.2.1	Steam Generator Materials	11/15/2006	3/31/2007	The entire SRP section 5.4.2.1, Rev.1 was revised to remove redundancy to incorporate all of the applicable Commission Regulations, to expand on acceptable approaches for satisfying the applicable regulations, and to incorporate the appropriate regulatory guidance from SRP Section 5.2.3. Specifically, added reference to (1) General Design Criteria (GDC) 4 since steam generators are important to safety and must be designed for dynamic effects; (2) GDC 30 since steam generators form part of the reactor coolant pressure boundary and must be designed and fabricated to the highest quality standards; (3) 10 CFR 50.55a since the steam generators must be constructed in accordance with the ASME Code; (4) 10 CFR 50, Appendix B since quality assurance requirements apply to the pressure boundary and can be fabricated with ferritic materials; and (5) 10 CFR 52 since licensing can occur under 10 CFR part 50 or Part 52.
5.4.2.2	Steam Generator Tube Inservice Inspection	11/15/2006	3/31/2007	The entire SRP section was revised to remove redundancy to incorporate all of the applicable Commission Regulations, to expand on acceptable approaches for satisfying the applicable regulations, and to remove reference to RG 1.83. The pertinent recommendations from RG 1.83 were incorporated directly into the SRP. Specifically added reference to (1) 50.55a (Codes and Standards since the ASME code contains requirements that are applicable to the performance of steam generator tube inspections; (2) 50.36 (Technical Specifications) since the content of the steam generator technical specifications is addressed in 50.36; (3) 10 CFR 50, Appendix B since Appendix B contains requirements pertinent to the performance of non-destructive examination and requires corrective actions to be taken under specific circumstances; (4) 50.65 (Maintenance Rule) since the steam generator tubes are safely related; and (5) 10 CFR 52 since licensing can occur under 10 CFR Part 50 or Part 52.
5.4.6	Reactor Core Isolation Cooling System (BWR)	11/15/2006	3/31/2007	Work in progress.
5.4.7	Residual Heat Removal (RHR) System	12/1/2006	3/31/2007	Work in progress.
5.4.8	Reactor Water Cleanup System (BWR)	10/30/2006	3/31/2007	Work in progress.
5.4.11	Pressurizer Relief Tank	12/1/2006	3/31/2007	Work in progress.
5.4.12	Reactor Coolant System High Point Vents	1/15/2007	3/31/2007	Work in progress.
6.1.1	Engineered Safety Features Materials	7/26/2006	3/31/2007	Technically complete see: ML061370411

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6.1.2	Protective Coating Systems (Paints)□Organic Materials	11/15/2006	3/31/2007	1996 draft technically acceptable with the following changes: 1) Replace ASTM D3842 with ASTM D5144. Standard D3842 was replaced with D5144 by ASTM in 1995, and subsequently updated in 2000, and 2) Add a discussion of periodic coating assessment to the technical rationale. This discussion will describe the value of routine coating assessments to ensure the coatings have not degraded. - per RG 1.54 and the ASTM standards it endorses. These changes do not represent new staff positions.
6.2.1	Containment Functional Design	12/1/2006	3/31/2007	1996 draft technically acceptable; however will update list of containment analysis codes for all of Section 6.2.1 - administrative update
6.2.1.1.A	PWR Dry Containments, Including Subatmospheric Containments	11/15/2006	3/31/2007	1996 draft technically acceptable - administrative update
6.2.1.1.B	Ice Condenser Containments			Not applicable to certified, inhouse for review, or anticipated standard designs.
6.2.1.1.C	Pressure-Suppression Type BWR Containments	12/1/2006	3/31/2007	1996 draft technically acceptable - administrative update
6.2.1.2	Subcompartment Analysis	12/1/2006	3/31/2007	Update based on 1996 draft version. Update will include Interface with SRP Section 3.6.3 regarding review of leak-beforebreak analyses as they may apply to containment subcompartment; Update list of containment analysis computer codes; and administrative update including applicability of Part 52.
6.2.1.3	Mass and Energy Release Analysis for Postulated Loss of Coolant Accidents	9/1/2005	3/31/2007	Revision 2 was published in January 2006 and is available on Web or in ADAMS: ML060150002. Any update would be administrative in nature
6.2.1.4	Mass and Energy Release Analysis for Postulated Secondary System Pipe Ruptures	12/1/2006	3/31/2007	Update based on 1996 draft version. Revision will update list of containment analysis computer codes; and administrative update including applicability of Part 52.
6.2.1.5	Minimum Containment Pressure Analysis for Emergency Core Cooling System Performance Capability Studies	12/1/2006	3/31/2007	1996 draft technically acceptable - administrative update
6.2.2	Containment Heat Removal Systems	9/30/2006	3/31/2007	Update will include 1) RG 1.82, Rev. 3 for (i) NRC Position on NPSH determination for ECCS and containment heat removal pumps, (ii) NRC Positions on blockage of PWR sump screens and BWR ECCS suction strainers; delete reference to RG 1.1 since it contradicts RG 1.83, Rev.3 reference to NEDO 32686-A for guidance on BWR ECCS suction strainer blockage; NEI-04-07 and letter to NEI on staff position on NEI-04-07 on PWR sumps; GL 2004-02; and AP1000 passive containment cooling and the FSER on the AP1000.
6.2.3	Secondary Containment Functional Design	1/30/2007	3/31/2007	1996 draft technically acceptable - administrative update
6.2.4	Containment Isolation System	1/30/2007	3/31/2007	see 6.2.1
6.2.5	Combustible Gas Control in Containment	9/30/2006	3/31/2007	This SRP revision was included in SECY-03-0127, "Final Rulemaking—risk-informed 10 CFR 50.44, "Combustible Gas Control in Containment;" revision to RG 1.7 and will be administratively updated
6.2.6	Containment Leakage Testing	12/1/2006	3/31/2007	This update directly related to existing reactors and is dependent on the Integrated Leak Rate Testing (ILRT) NEI task group. For new reactors, it is referred to as an Operational Program
6.2.7	Fracture Prevention of Containment Pressure Boundary	12/1/2006	3/31/2007	Update to add a new item to discuss findings pertinent to ASME Code Section III, Article NE-2300 and provided for a contingent finding based on whether materials were fracture toughness tested.
6.3	Emergency Core Cooling System	12/1/2006	3/31/2007	Update will be coordinated with SRP section 15.6.5.

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
6.4	Control Room Habitability System	12/31/2006	3/31/2007	Revision will combine guidance contained in SRP Section 9.4.1
6.5.1	ESF Atmosphere Cleanup Systems	12/1/2006	3/31/2007	see 6.2.1
6.5.2	Containment Spray as a Fission Product Cleanup System	12/31/2005	3/31/2007	Revision 3 was published December 2005 and is available on Web or in ADAMS: ML060150001
6.5.3	Fission Product Control Systems and Structures	12/5/2006	3/31/2007	1996 draft technically acceptable - administrative update
6.5.4	Ice Condenser as a Fission Product Cleanup System			Not applicable to certified, inhouse for review, or anticipated standard designs.
6.5.5	Pressure Suppression Pool as a Fission Product Cleanup System	12/5/2006	3/31/2007	1996 draft technically acceptable. Will update reference to RGs. Change RG 1.3 to RG1.183 and RG 1.195
6.6	Inservice Inspection of Class 2 and 3 Components	10/30/2006	3/31/2007	Work in progress.
6.7	Main Steam Isolation Valve Leakage Control System (BWR)			Not applicable to certified, inhouse for review, or anticipated standard designs
6.8	Reactor Coolant Depressurization Systems (PWR) [Future]			This section will not be developed. Guidance already contained in existing SRP sections.
7.0	I&C Overview of Review Process	11/3/2006	3/31/2007	Overview section contains no technical acceptance criteria will be administratively updated per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
7.0-A	Review Process for Digital I&C Systems	11/9/2006	3/31/2007	Guidance on the review process for digital I&C will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
7.1	Instrumentation and Controls – Introduction	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
7.1-A	Acceptance Criteria & Guidelines for I&C Systems Important to Safety	11/27/2006	3/31/2007	General acceptance criteria for I&C will only be administratively updated per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
7.1-B	Guidance for Evaluation of Conformance to IEEE Std - 279	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
7.1-C	Guidance for Evaluation of Conformance to IEEE Std - 603	11/3/2006	3/31/2007	Guidance on the criteria for safety systems will have information on digital I&C moved to Appendix 7.1-D and will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
7.1-D (new)	Guidance for Evaluation of Conformance to IEEE Std - 7-4.3.2	11/3/2006	3/31/2007	New appendix providing guidance on the use of computers in safety systems which is being moved from Appendix 7.1-C and will include information based on Regulatory Guide 1.152, Rev. 2 and will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
7.1-T	Table 7-1 Acceptance Criteria	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
7.2	Reactor Trip System	11/24/2006	3/31/2007	Guidance on reactor trip systems will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
7.3	Engineered Safety Features Systems	11/13/2006	3/31/2007	Guidance on engineered safety features systems will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
7.4	Safe Shutdown Systems	10/20/2006	3/31/2007	Guidance on safe shutdown systems will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
7.5	Information Systems Important to Safety	11/27/2006	3/31/2007	Guidance on information systems important to safety will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
7.6	Interlock Systems Important to Safety	11/9/2006	3/31/2007	Guidance on interlock systems important to safety will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
7.7	Control Systems	11/9/2006	3/31/2007	Guidance on control systems will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
7.8	Diverse I&C Systems	11/24/2006	3/31/2007	Guidance on diverse instrumentation and control systems may be impacted by potential policy changes and will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
7.9	Data Communications Systems	10/20/2006	3/31/2007	Guidance on data communication systems will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
App 7-A	Branch Technical Positions - (21)	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
App 7-B	General Agenda, Station Site visits	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
App 7-C	Acronyms, Abbreviations, Glossary, and Index	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-1	Guidance on Isolation of Low-Pressure Systems from the High-Pressure Reactor Coolant System	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-2	Guidance on Requirements of Motor Operated Valves in the Emergency Core Cooling System Accumulator Lines	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-3	Guidance on Protection System Trip Point Changes for Operation with Reactor Coolant Pumps out of Service	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-4	Guidance on Design Criteria for Auxiliary Feedwater Systems	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-5	Guidance on Spurious Withdrawals of Single Control Rods in Pressurized Water Reactors	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-6	Guidance on I&C Provided to Accomplish Changeover from Injection to Recirculation Mode	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-8	Guidance for Application of Regulatory Guide 1.22	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-9	Guidance on Requirements for Reactor Protection System Anticipatory Trips	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-10	Guidance on Application of Regulatory Guide 1.97	12/18/2006	3/31/2007	Guidance on application of Regulatory Guide 1.97 which will include information based Regulatory Guide 1.97, Rev. 4 and will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-11	Guidance on Application and Qualification of Isolation Devices	11/3/2006	3/31/2007	Guidance on application and qualification of isolation devices will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-12	Guidance on Establishing and Maintaining Instrument Setpoints	11/20/2006	3/31/2007	Guidance on establishing and maintaining instrument setpoints may be impacted by potential policy changes on setpoint methodology including Regulatory Information Summary 2006-17 and will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-13	Guidance on Cross-Calibration of Protection System Resistance Temperature Detectors	2/15/2007	3/31/2007	Administrative update per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-14	Guidance on Software Reviews for Digital Computer-Based I&C Systems	11/3/2006	3/31/2007	Guidance on software reviews for digital computer-based I&C will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
BTP 7-16	Guidance on Level of Effort Required for Design Certification Applications Under 10 CFR Part 52	12/24/2006	3/31/2007	Guidance on the level of detail required for design certification applications under 10 CFR Part 52 may be deleted as most if not all of the information from this BTP is being transferred to DG-1145 and will be updated per LIC-200 and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-17	Guidance on Self-Test and Surveillance Test Provisions	10/20/2006	3/31/2007	Guidance on self-test and surveillance test provisions will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-18	Guidance on the Use of Programmable Logic Controllers in Digital Computer-Based Instrumentation and Control Systems	11/13/2006	3/31/2007	Guidance on the use of programmable logic controllers in digital computer-based I&C systems will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-19	Guidance for Evaluation of Defense-in-Depth and Diversity in Digital Computer-Based Instrumentation and Control Systems	11/17/2006	3/31/2007	Guidance for evaluation of defense-in-depth and diversity in digital computer-based I&C systems may be impacted by potential policy changes and will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-21	Guidance on Digital Computer Real-Time Performance	11/9/2006	3/31/2007	Guidance on digital computer real-time performance, may add information on digital sampling and digital operating system time if not in separate BTPs and will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from other SRP Chapter 7 updates
BTP 7-22	Guidance on Digital Sampling	11/20/2006	3/31/2007	New proposed BTP on digital sampling in computers will be written in accordance with LIC-200, updates to referenced regulatory guides and standards, and necessary conforming information resulting from other SRP Chapter 7 updates. However, this information may instead be included in existing BTP-21
BTP 7-23	Guidance on Digital Operating System Timing	12/1/2006	3/31/2007	New proposed BTP on digital operating system time in computer systems will be written in accordance with LIC-200, updates to referenced regulatory guides and standards, and necessary conforming information resulting from other SRP Chapter 7 updates. However, this information may instead be included in existing BTP-21.
8.1	Electric Power / Introduction	11/1/2006	3/31/2007	Work in progress.
8.2	Offsite Power System	11/1/2006	3/31/2007	No new staff position. Updates consist of incorporating current regulatory guidance and standards (BTP ICSB 11 , GL 2006-02, RG 1.204, 10 CFR 50.63, BTP PSB-1, NUREG-1793, DG-1145 , IN 2002-12, RG 1.155). Note 8.2 Appendix B is subsumed into new SRP Section 8.4. Administrative update per LIC-200
8.3.1	A C Power Systems (Onsite)	11/1/2006	3/31/2007	Work in progress.
8.3.2	D C Power Systems (Onsite)	11/1/2006	3/31/2007	Work in progress.
8.4 NEW	Station Blackout	11/1/2006	3/31/2007	New SRP section that provides guidance related to the review of an applicant or licensee's overall conformance with the requirements of 10 CFR 50.63 "Loss of All Alternating Current Power" and describes approaches that the staff has found acceptable for meeting the requirements of the rule.
8-A	Branch Technical Positions (PSB)	11/1/2006	3/31/2007	Work in progress.
8-B	General Agenda, Station Site Visits	11/1/2006	3/31/2007	No new staff position. Updates consist of adding additional agenda items based on current regulatory guidance and standards (IN 2002-12, RG 1.204, RG 1.180, IEEE 1050-1996, IEEE 603-1998, SECY 05-0219 Attachment #2, GL 2006-02, IN 97-05, IN 98-07, IEEE C37.013-1997, and NUREG 1793). Overall administrative update.
9.1.1	New Fuel Storage	12/1/2006	3/31/2007	Revision will include guidance on 10 CFR 50.68, Criticality Accident Requirements

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
9.1.2	Spent Fuel Storage	11/15/2006	3/31/2007	1996 draft to be modified to: • Increased minimum spent fuel storage capacity to five years of spent fuel plus one full-core offload. • Added thermohydraulic considerations (i.e., no nucleate boiling on fuel surface) for coolant flow through storage racks. • Specified maximum coolant inventory loss resulting from failure of a gate seal. • Organization of criticality will be located within Section 9.1.1. Coordinated with revision to RG 1.13
9.1.3	Spent Fuel Pool Cooling and Cleanup System	8/25/2006	3/31/2007	Technically complete; see ML061000426. Revision updated 1996 draft as follows: removed acceptance criteria related to GDC 44, 45, and 46 as GDC 61 encompasses these criteria for this system; modified review procedures to reflect accepted practice; and administratively updated per LIC-200.
9.1.4	Light Load Handling System (Related to Refueling)	12/15/2006	3/31/2007	1996 draft technically acceptable - administrative update
9.1.5	Overhead Heavy Load Handling Systems	12/15/2006	3/31/2007	1996 draft to be modified to: • Endorse ASME NOG-1 2004 criteria for Type 1 Cranes as acceptable for use in a single failure proof heavy load handling system. • Revise guidance regarding slings for use in single failure proof handling systems to specify wire rope or chain slings. • Update CMAA-70 and ASME B30.2 and B30.9 to the current versions. • Clarify implementation of NUREG-0612 guidance.
9.2.1	Station Service Water System	1/15/2007	3/31/2007	1996 draft to be modified to: • Add GL 96-06 as a reference and provide additional waterhammer and two-phase flow review guidance. • Eliminate the review guidance related to implementation of TMI Action Plan Item II.K.1.22 and IEB 79-08 for BWRs added in the 1996 Draft Revision as this does not apply to service water (applies to RCIC); • Eliminate review guidance that is redundant to and/or more suitably addressed by other SRP sections (such as seismic design criteria).
9.2.2	Reactor Auxiliary Cooling Water Systems	1/15/2007	3/31/2007	1996 draft to be modified to: • Add GL 96-06 as a reference and provide additional waterhammer and two-phase flow review guidance. Eliminate specific reference to 10 CFR 50.34(f)(1)(iii) since it was applicable only to certain specific applications that were pending as of February 16, 1982. • Eliminate review guidance that is redundant to and/or more suitably addressed by other SRP sections (such as seismic design criteria).
9.2.3	Demineralized Water Makeup System	1/15/2007	3/31/2007	1996 draft technically acceptable - administrative update
9.2.4	Potable and Sanitary Water Systems	1/15/2007	3/31/2007	1996 draft technically acceptable - administrative update
9.2.5	Ultimate Heat Sink	1/15/2007	3/31/2007	1996 draft to be modified to: • Replace Branch Technical Position ASB 9-2 with reference to appropriate industry standard for determining decay heat (e.g., ANSI/ANS 5.1 or ORIGEN). • Eliminate review guidance that is redundant to and/or more suitably addressed by other SRP sections (such as seismic design criteria and criteria for determining cooling capability of reservoirs and ponds).
9.2.6	Condensate Storage Facilities	1/15/2007	3/31/2007	1996 draft to be modified to: • Specify that coatings and floating tank covers whose failure could result in blockage of the AFW suction pipe should not be used in the condensate storage tank.
9.3.1	Compressed Air System	1/15/2007	3/31/2007	1996 draft technically acceptable - admin. Update
9.3.2	Process and Post Accident Sampling Systems	1/15/2007	3/31/2007	1996 draft to be revised to provide an alternative to the post-accident sampling system (PASS), to replace reference to RG 1.56 "Maintenance of Water Purity in Boiling Water Reactors," with EPRI water chemistry guidelines, update references (WCAP-14986-P, Rev1, CE NPSD-1157 Rev 1, NUREG -1793), and administratively update per LIC-200
9.3.3	Equipment and Floor Drainage System	1/15/2007	3/31/2007	important only w/rt flood protection; 1996 draft technically acceptable - admin. Update
9.3.4	Chemical and Volume Control System (PWR) Including Boron Recovery System)	1/15/2007	3/31/2007	1996 draft technically acceptable - admin. Update
9.3.5	Standby Liquid Control System (BWR)	1/15/2007	3/31/2007	Work in progress.

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
9.4.1	Control Room Area Ventilation System	1/15/2007	3/31/2007	Guidance will be combined with SRP Section 6.4.
9.4.2	Spent Fuel Pool Area Ventilation System	1/15/2007	3/31/2007	With alternative source terms, systems more defense-in-depth.
9.4.3	Auxiliary and Radwaste Area Ventilation System	1/15/2007	3/31/2007	With alternative source terms, systems more defense-in-depth
9.4.4	Turbine Area Ventilation System	1/15/2007	3/31/2007	With alternative source terms, systems more defense-in-depth
9.4.5	Engineered Safety Feature Ventilation System	12/1/2006	3/31/2007	ESBWR and AP1000 reviews to inform update.
9.5.1	Fire Protection Program	10/15/2006	3/31/2007	Update coordinated with ongoing revision to RG 1.189. Update will also include references to recently issued applicable generic communications. This revision does not address NFPA 805.
9.5.2	Communications Systems	12/4/2006	3/31/2007	Guidance on communications systems will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from SRP Chapter 7 updates
9.5.3	Lighting Systems	11/1/2006	3/31/2007	No new staff position. Technical updates consist of deleting reference to onsite power sources, revising review procedures to include an engineering assessment, and adding reference NUREG-0700, "Human-System Interface Design review Guidelines," Rev. 2, May, 2002. Overall administrative update.
9.5.4	Emergency Diesel Engine Fuel Oil Storage and Transfer System	1/19/2007	3/31/2007	RTNSS for AP1000; 1996 draft technically acceptable - admin. Update - except: • This SRP section references ANSI Standard N195, "Fuel Oil Systems for Standby Diesel Generators," (1976) as an acceptance criterion. RG 1.137, endorses ANSI N195 and supplements it with Positions C.1 and C.2 of the RG. However, ANSI N195 has been now been approved as ANSI/ANS 59.51-1997, "Fuel Oil Systems for Safety-Related Emergency Diesel Generators." This 1997 standard seems to address all the positions identified in RG 1.137. Any SRP references to ANSI N195 should be changed to ANSI/ANS 59.51 and RG 1.137 should be withdrawn or revised as necessary.
9.5.5	Emergency Diesel Engine Cooling Water System	1/19/2007	3/31/2007	RTNSS for AP1000; 1996 draft technically acceptable - admin. Update
9.5.6	Emergency Diesel Engine Starting System	1/19/2007	3/31/2007	RTNSS for AP1000; 1996 draft technically acceptable - admin. Update
9.5.7	Emergency Diesel Engine Lubrication System	1/19/2007	3/31/2007	RTNSS for AP1000; 1996 draft technically acceptable - admin. Update
9.5.8	Emergency Diesel Engine Combustion Air Intake and Exhaust System	1/19/2007	3/31/2007	RTNSS for AP1000; 1996 draft technically acceptable - admin. Update
9.x (new)	Spent Fuel Criticality			This subject is being addressed within SRP Section 9.1.1
NEW	ESBWR Isolation Condenser	12/1/2006	3/31/2007	Work in progress.
10.2	Turbine Generator	1/19/2007	3/31/2007	1996 draft technically acceptable - admin. Update
10.2.3	Turbine Rotor Integrity	10/15/2006	3/31/2007	Update will Clarify the examinations for the welded surfaces in Revision 1.
10.3	Main Steam Supply System	1/19/2007	3/31/2007	GDC 34/44 DID; 1996 draft technically acceptable - admin. Update
10.3.6	Steam and Feedwater System Materials	8/24/2006	3/31/2007	Technically Complete; see ML061810069

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
10.4.1	Main Condensers	1/19/2007	3/31/2007	1996 draft technically acceptable - admin. Update
10.4.2	Main Condenser Evacuation System	1/19/2007	3/31/2007	1996 draft technically acceptable - admin. Update
10.4.3	Turbine Gland Sealing System	1/19/2007	3/31/2007	1996 draft technically acceptable - admin. Update
10.4.4	Turbine Bypass System	1/19/2007	3/31/2007	GDC 34/44 DID; 1996 draft technically acceptable - admin. Update
10.4.5	Circulating Water System	1/19/2007	3/31/2007	1996 draft technically acceptable - admin. Update
10.4.6	Condensate Cleanup System	1/6/2007	3/31/2007	administrative update based on 1981 version; with exception that update will replace reference to RG 1.56 with reference to EPRI BWRVIP-79, TR-103515, "BWR Water Chemistry Guidelines."
10.4.7	Condensate and Feedwater System	1/6/2007	3/31/2007	GDC 34/44 DID; 1996 draft technically acceptable - admin. Update
10.4.8	Steam Generator Blowdown System (PWR)	1/6/2007	3/31/2007	Administrative update based on 1981 version - no new staff positions
10.4.9	Auxiliary Feedwater System (PWR)	1/6/2007	3/31/2007	RTNSS for AP1000; 1996 draft to be modified to: • Specify the reliability of the minimum recirculation flow path to address operating experience; • Address design interface with safety-related water source (i.e., AFW system design to accommodate water of lower quality); • Address timing and reliability of connection to backup safety-related water source.
11.1	Source Terms	11/9/2006	3/31/2007	1996 draft technically acceptable. Administrative update with minor changes which will not result in new staff positions.
11.2	Liquid Waste Management Systems	1/6/2007	3/31/2007	Staff will revise the 1996 Draft. The update will address the use of mobile waste treatment systems connected to permanent plant systems. The guidance will also be revised to clarify the performance criteria for ion exchange and charcoal adsorbent media. The revision will also address the requirements of 10 CFR 20.1406. References to current Regulatory Guides (RG) and industry standards will be revised, as is applicable, as well as necessary conforming changes to the SRP. The SRP will be updated administratively in accordance with LIC-200.
11.3	Gaseous Waste Management Systems	1/6/2007	3/31/2007	Staff will revise the 1996 Draft. The update will address the use of mobile waste treatment systems connected to permanent plant systems. The guidance will also be revised to clarify the performance criteria for ion exchange and charcoal adsorbent media. The revision will also address the requirements of 10 CFR 20.1406. References to current Regulatory Guides (RG) and industry standards will be revised, as is applicable, as well as necessary conforming changes to the SRP. The SRP will be updated administratively in accordance with LIC-200.
11.4	Solid Waste Management Systems	1/6/2007	3/31/2007	Staff will revise the 1996 Draft. The update will address the use of mobile waste treatment systems connected to permanent plant systems. The guidance will also be revised to clarify the performance criteria for ion exchange and charcoal adsorbent media. The revision will also address the requirements 10 CFR 20.1406. References to current Regulatory Guides (RG) and industry standards will be revised, as is applicable, as well as necessary conforming changes to the SRP. Also, the requirements from Chapter 16 Technical Specifications and RETS to those identified in Generic Letter 89-01, as implemented under the guidance of NUREG-1301 and NUREG-1302, will be updated. The SRP will be updated administratively in accordance with LIC-200.
11.5	Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems	1/6/2007	3/31/2007	Staff will revise the 1996 Draft. References to current Regulatory Guides (RG) and industry standards will be revised, as is applicable, as well as necessary conforming changes to the SRP. Also, the requirements from Chapter 16 Technical Specifications and RETS to those identified in Generic Letter 89-01, as implemented under the guidance of NUREG-1301 and NUREG-1302, will be updated. The SRP will be updated administratively in accordance with LIC-200.

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
12.1	Assuring that Occupational Radiation Exposures Are As Low As Is Reasonably Achievable	1/6/2007	3/31/2007	Revision will reflect several revisions to 10 CFR Part 20 from the 1981 version of the SRP, update references to RGs, NUREGS, and standards, and be administratively updated in accordance with LIC-200
12.2	Radiation Sources	1/6/2007	3/31/2007	Revision will reflect several revisions to 10 CFR Part 20 from the 1981 version of the SRP, update references to RGs, NUREGS, and standards, and be administratively updated in accordance with LIC-200
12.3 - 12.4	Radiation Protection Design Features	1/6/2007	3/31/2007	Revision will reflect several revisions to 10 CFR Part 20 from the 1981 version of the SRP including 10 CFR 20.1406, update references to RGs, NUREGS, and standards, and be administratively updated in accordance with LIC-200
12.5	Operational Radiation Protection Program	12/30/2005	3/31/2007	Draft Revision 3 was published December 2005 for comment and is available on the Web or in ADAMS: ML060170759
13.1.1	Management and Technical Support Organization	12/8/2006	3/31/2007	Administrative update
13.1.2 - 13.1.3	Operating Organization	8/31/2005	3/31/2007	Published 8/05; correct Pt 52 terminology late-stage/early stage*
13.2.1	Reactor Operator Training	11/30/2005	11/30/2005	Revision 2 was published November 2005 and is available on Web or in ADAMS: ML060030205; Previously issued for public comment 12/2002.
13.2.2	Training for Non Licensed Plant Staff	11/30/2005	11/30/2005	Revision 2 was published November 2005 and is available on Web or in ADAMS: ML060030199; Previously issued for public comment 12/2002.
13.3	Emergency Planning	9/13/2006	3/31/2007	Revision will be issued for comment Sep 2006; ESP: Supp. 2 to NUREG-0654/FEMA-REP-1; DC: RG 1.101, NUREG-0696, NUREG-0737 (inc. Supp.1); COL RG 1.101; NUREG-0654/FEMA-REP-1, NUREG-0737 (inc. supp.1); COL Operational program SECY: Appendix E.IV.F.a: (1) full participation exercise within two years before issuance of first operating license for full power; and (2) onsite exercise within one year before issuance of operating license for full power. Appendix E.V: detailed implementing procedures submitted within 180 days prior to fuel load.
13.4	Operational Review			Technical content associated with the "Operational Review" subsumed into 17.5; Corresponding section of DG-1145 provides guidance on operational programs - which will be reviewed within the associated SRP sections, themselves.
13.5.1.1	Administrative Procedures - General	12/8/2006	3/31/2007	Administrative update
13.5.1.2	Administrative Procedures - Initial Test Program		3/1/2007	Technical content subsumed into 14.2
13.5.2.1	Operating and Emergency Operating Procedures	11/30/2005	11/30/2005	Revision 1 was published November 2005 and is available on Web or in ADAMS: ML060030233; Previously issued for public comment 12/2002.
13.5.2.2	Maintenance and Other Operating Procedures		3/1/2007	Technical content to be subsumed into 17.5
13.6	Physical Security	12/8/2006	3/1/2007	13.6 is being revised in total to be aligned to format and content of NRC endorsed NEI 03-12, "Template For The Security Plan, Training and Qualification Plan, Safeguards Contingency Plan, [and Independent Spent Fuel Storage Installation Security Program]." (Revision 1 — March 2004) see ML033640038, as well as incorporate an updated version of the acceptance criteria as previously issued in NUREG-0908, Acceptance Criteria for the Evaluation of the Nuclear Power Reactor Security Plans, dated August 1982. However, in light of anticipated/proposed security rulemakings, certain acceptance criteria will be revised accordingly consistent with the respective rulemaking schedules.

SRP Update Program

SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
14.2	Initial Plant Test Program	11/15/2006	3/1/2007	The prioritization/schedule of this update is consistent with the COL applicants' needs for developing their initial test program. The update of RG 1.68 will include test requirements of passive systems.
14.2.1	Generic Guidelines for Extended Power Uprate Testing Programs			Issued 8/2006: See ML062210398
14.3	Inspections, Tests, Analyses, and Acceptance Criteria - Design Certification	12/22/2006	3/1/2007	Need technical update by 4/2006 and template for balance of 14.3 sections prior to individual updates
14.3.1	Site Parameters (Tier 1)	12/22/2006	3/1/2007	will be coordinated 14.3
14.3.2	Structural and Systems Engineering (Tier 1)	12/22/2006	3/1/2007	will be coordinated 14.3
14.3.3	Piping Systems and Components (Tier 1)	12/22/2006	3/1/2007	will be coordinated 14.3.
14.3.4	Reactor Systems (Tier 1)	12/22/2006	3/1/2007	will be coordinated 14.3.
14.3.5	Instrumentation and Controls (Tier 1)	12/22/2006	3/1/2007	Guidance on ITAAC for I&C will be updated per LIC-200, updates to referenced regulatory guides and standards, and necessary conforming changes resulting from SRP Chapter 7 updates
14.3.6	Electrical Systems (Tier 1)	12/22/2006	3/1/2007	will be coordinated 14.3
14.3.7	Plant Systems (Tier 1)	12/22/2006	3/1/2007	1996 draft technically acceptable - admin. Update
14.3.8	Radiation Protection and Emergency Preparedness (Tier 1)	12/22/2006	3/1/2007	will be coordinated 14.3.
14.3.9	Human Factors Engineering (Tier 1)	12/22/2006	3/1/2007	will be coordinated 14.3.
14.3.10	Initial Test Program and D-RAP (Tier 1)	12/22/2006	3/1/2007	Will be developed on same schedule as Section 14.2.
14.3.11	Containment Systems and Severe Accidents (Tier 1)	12/22/2006	3/1/2007	1996 draft technically acceptable - admin. Update
15.0	Accident Analysis - Introduction	1/5/2007	3/31/2007	
15.0.1	Radiological Consequence Analyses Using Alternate Source Terms			issued 7/2000; will not be updated for Part 52; rather develop 15.0.3 for Part 52 applicability
15.0.2	Review of Transient and Accident Analysis Methods	12/1/2005	12/1/2005	Issued December 2005 with Regulatory Guide 1.203, "Transient and Accident Analysis Methods"

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
15.0.3(new)	Radiological Consequences of Design Basis Accidents - for ESP, DC, and COL applications	12/1/2006	3/1/2007	This is a new section that will address Part 52 licensing, it will incorporate by reference RG 1.183, it will subsume Att 2, Section 15 of RS-0002, and be informed by the ESBWR/AP1000 Design Certification reviews. The schedule for updating RG 1.183 is independent of development of this section
15.1.1 - 15.1.4	Decrease in Feedwater Temperature, Increase in Feedwater Flow, Increase in Steam Flow, and Inadvertent Opening of a Steam Generator Relief or Safety Valve	1/5/2007	3/1/2007	Work in progress.
15.1.5	Steam System Piping Failures Inside and Outside of Containment (PWR)	1/5/2007	3/1/2007	Work in progress.
15.1.5.A	Radiological Consequences of Main Steam Line Failures Outside Containment of a PWR			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.2.1 - 15.2.5	Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	1/5/2007	3/1/2007	Work in progress.
15.2.6	Loss of Nonemergency AC Power to the Station Auxiliaries	1/5/2007	3/1/2007	Work in progress.
15.2.7	Loss of Normal Feedwater Flow	1/5/2007	3/1/2007	Work in progress.
15.2.8	Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	1/5/2007	3/1/2007	Work in progress.
15.3.1 - 15.3.2	Loss of Forced Reactor Coolant Flow Including Trip of Pump Motor and Flow Controller Malfunctions	1/5/2007	3/1/2007	Work in progress.
15.3.3 - 15.3.4	Reactor Coolant Pump Rotor Seizure and Reactor Coolant Pump Shaft Break	1/5/2007	3/1/2007	Work in progress.
15.4.1	Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	1/5/2007	3/1/2007	Work in progress.
15.4.2	Uncontrolled Control Rod Assembly Withdrawal at Power	1/5/2007	3/1/2007	Work in progress.
15.4.3	Control Rod Misoperation (System Malfunction or Operator Error)	1/5/2007	3/1/2007	Work in progress.
15.4.4 - 15.4.5	Startup of an Inactive Loop or Recirculation Loop at an Incorrect Temperature, and Flow Controller Malfunction Causing an Increase in BWR Core Flow Rate	1/5/2007	3/1/2007	Work in progress.
15.4.6	Chemical and Volume Control System Malfunction that Results in Decrease in Boron Concentration in the Reactor Coolant (PWR)	1/5/2007	3/1/2007	Work in progress.
15.4.7	Inadvertent Loading and Operation of a Fuel Assembly in an Improper Position	1/5/2007	3/1/2007	Work in progress.
15.4.8	Spectrum of Rod Ejection Accidents (PWR)	1/5/2007	3/1/2007	Work in progress.
15.4.8.A	Radiological Consequences of a Control Rod Ejection Accident (PWR)			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.4.9	Spectrum of Rod Drop Accidents (BWR)	1/5/2007	3/1/2007	Work in progress.

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
15.4.9.A	Radiological Consequences of Control Rod Drop Accident (BWR)			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.5.1 - 15.5.2	Inadvertent Operation of ECCS and Chemical and Volume Control System Malfunction that Increases Reactor Coolant Inventory	1/5/2007	3/1/2007	Work in progress.
15.6.1	Inadvertent Opening of a PWR Pressurizer Pressure Relief Valve or a BWR Pressure Relief Valve	1/5/2007	3/1/2007	Work in progress.
15.6.2	Radiological Consequences of the Failure of Small Lines Carrying Primary Coolant Outside Containment			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.3	Radiological Consequences of Steam Generator Tube Failure (PWR)			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.4	Radiological Consequences of Main Steam Line Failure Outside Containment (BWR)			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.5	Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	1/5/2007	3/1/2007	Update to be coordinated with section 6.3
15.6.5.A	Radiological Consequences of a Design Basis Loss-of-Coolant Accident Including Containment Leakage Contribution			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.5.B	Radiological Consequences of a Design Basis Loss-of-Coolant Accident Leakage From Engineered Safety Feature Components Outside Containment			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.5.D	Radiological Consequences of a Design Basis Loss-of-Coolant Accident: Leakage From Main Steam Isolation Valve Leakage Control System (BWR)			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.7.3	Postulated Radioactive Releases Due to Liquid-Containing Tank Failures			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.7.4	Radiological Consequences of Fuel Handling Accidents			Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.7.5	Spent Fuel Cask Drop Accidents			Will not update for Part 52. Cask drop related issues that are currently evaluated in FSARs have generally been within the scope of SRP 9.1.5. Furthermore, this category of accidents is a variant of a fuel handling accident and will be handled for new reactors in SRP 15.0.3 to address Part 52 applications
15.8	Anticipated Transients Without Scram	1/5/2007	3/1/2007	Work in progress.
15.9 (new)	BWR Core Stability	1/5/2007	3/1/2007	Work in progress.
15.x (new)	Spent Fuel Pool Criticality and Boron Dilution Analyses			To be combined into 9.1

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SRP Section	Section Title	Target for preliminary SRP Revision to be publicly available	Target Final Issuance Date	Anticipated Revision Changes
16.0	Technical Specifications	12/8/2006	3/1/2007	SRP revision will be administrative in nature
16.1	Risk-Informed Decision Making: Technical Specifications	12/8/2006	3/1/2007	SRP revision will be administrative in nature
17.1	Quality Assurance During the Design and Construction Phases			Section will not be updated; new section 17.5 developed specifically for Pt 52.
17.1.1	Early Site Permit Quality Assurance Measures			Section currently Attachment to RS-002. Section will be deleted following issuance of revised Final Part 52. If RS-002 revised in advance of Final Part 52 (as planned), then att 17.11 will still be attached. Following issuance of Final Part 52, 17.5 will need to be updated to expand applicability to ESPs. Scoping: will not be updated
17.2	Quality Assurance During the Operations Phase			Section will not be updated; new section 17.5 developed specifically for Pt 52.
17.3	Quality Assurance Program Description			Section will not be updated; new section 17.5 developed specifically for Pt 52.
17.4	Reliability Assurance Program	10/27/2006	3/1/2007	Update of initial 1996 draft based on Secy-95-0132
17.5	Quality Assurance new section	9/30/2006	3/1/2007	Issued as draft and is available on the web or in ADAMS - ML060180622, public comment period end date of April 11, 2006
17.6	Maintenance Rule	12/22/2006	3/1/2007	Work in progress.
18.0	Human Factors Engineering Introduction	2/15/2007	3/1/2007	Revision 1 issued 2/2004, changes will be administrative per LIC-200
19.0	Probabilistic Risk Assessment	12/22/2006	3/1/2007	Revision to Chapter 19 will address staff review of COL plant specific PRA per proposed 10CFR 52.80, severe accidents per proposed 10CFR 52.79(a)(17) and 10CFR 79(a)(38) and will be based on application guidance contained in DG-1145. 19.0 will include guidance on severe guidance so there will not be a separate 19.2. Also 19.1 will be referenced by 19.0 but will be updated pursuant to RG 1.200 effort and schedule. Guidance on severe accidents is contained in Commission Policy
19.1	Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed			Will not be updated by March 2007
19.2 (new)	Severe Accidents Performance			Severe accident performance will be addressed in SRP section 19.0